



8

SEQUENCE LISTING

<110> KORNBLUTH, SALLY A
HOLLEY, CHRISTOPHER

<120> REAPER PROTEIN

<130> 1579-470

<140> 09/924,102

<141> 2001-08-08

<150> 60/223,699

<151> 2000-08-08

<160> 14

<170> PatentIn Ver. 2.1

<210> 1

<211> 65

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Drosophila Reaper

<400> 1

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ala | Val | Ala | Phe | Tyr | Ile | Pro | Asp | Gln | Ala | Thr | Leu | Leu | Arg | Glu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Glu | Gln | Lys | Glu | Gln | Gln | Ile | Leu | Arg | Leu | Arg | Glu | Ser | Gln | Trp |
| | | 20 | | | | | | 25 | | | | | | 30 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Phe | Leu | Ala | Thr | Val | Val | Leu | Glu | Thr | Leu | Arg | Gln | Tyr | Thr | Ser |
| | | 35 | | | | | 40 | | | | | | 45 | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cys | His | Pro | Lys | Thr | Gly | Arg | Lys | Ser | Gly | Lys | Tyr | Arg | Lys | Pro | Ser |
| | 50 | | | | | 55 | | | | | 60 | | | | |

Gln

65

<210> 2

<211> 81

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: human Reaper

<400> 2

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Leu | Leu | Ser | Thr | His | Leu | Phe | Ile | Tyr | Leu | Phe | Ile | Tyr | Phe | Leu |
| 1 | | | | | 5 | | | | 10 | | | | | 15 | |

Ser Tyr Ser Leu Gly Asp Arg Ala Arg Leu Cys Leu Arg Lys Thr Lys
20 25 30

Gln Gln Gln Lys Glu Gln Gln Ile Leu Arg Gln Ser Glu Val Leu Phe
35 40 45

Arg Ser Glu Thr Leu Arg Lys Thr Gly Lys Lys Gly Arg Arg Trp Gly
50 55 60

Gly Gln Gly Gly Arg Gly Gly Thr Ala Asp Thr Gly Gly Met Phe Leu
65 70 75 80

Ser

<210> 3
<211> 75
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: human Reaper

<400> 3
Met Val Leu Arg Gly Pro Ala Pro Leu Glu Leu Ile Leu Gln Pro Cys
1 5 10 15

Trp Ala Gln Val Gly Arg Ala Gly Val Ala Arg Gly Ala Thr His Cys
20 25 30

Val Pro Ser Pro Ser His Cys Ala Ser Asp His Asn Pro Ser His Leu
35 40 45

Leu Ala Thr Asp Leu Pro Ser Val Ser Phe Ile Leu Tyr Phe Ile Thr
50 55 60

Asn Ile Ser Thr Gln Thr Cys Cys Thr Phe Ser
65 70 75

<210> 4
<211> 246
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: human Reaper encoding sequence

<400> 4
atgctgctgt cgactcattt atttattttac ttattttattt atttttttgag ttacagcctg 60
ggcgacagag ctagactctg tctcagaaaa acaaaacaac aacaaaaaga aaaacagatt 120
ctaaggcaaa gtgaagtttt attcaggagt gaaactttaa ggaagacagg gaaaaaggga 180
aggcgggtggg gggggcaggg gggcagggga gggacagcag atacaggcgg tatgttctta 240
agctga 246

<210> 5
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: human Reaper

<400> 5
Lys Glu Lys Gln Ile Leu Arg Gln Ser Glu Val Leu Phe Arg Ser Glu
1 5 10 15
Thr Leu Arg Lys
20

<210> 6
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 6
tccctctgtg ctaactcctt tgg 23

<210> 7
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 7
ccccaagctt accttcctt tttccctgtc ttc 33

<210> 8
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 8
gcgcatccat gggcgacaga gctagactc 29

<210> 9
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

 <400> 9
 ccaccctgta cttcagataa taagcaaccc 30

 <210> 10
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 10
 tgggccctct gggaaggctg tg 22

 <210> 11
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 11
 ggaattctga tgctgctgct gactcattta 30

 <210> 12
 <211> 33
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 12
 ccgaagcttg ccatgggtgct gcgtggccca gcc 33

 <210> 13
 <211> 35
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: Primer

 <400> 13
 tgaattctta ggagaaagtg cagcatgtct ggggtg 35

 <210> 14
 <211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 14

aggaagcttg ccatggtgct gtcgactcat ttatatt

36

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